

REMARKS

The Applicants appreciate the thorough examination of the present application that is reflected in the Official Action of September 9, 2004. In response, the Applicants have amended the specification to overcome all objections relating thereto. The Applicants have also amended Claims 1, 3, 4, 5, 6, 7, and 8 to remove the term "step"; amended Claim 19 to remove the term "means for"; and added new Claims 20-23. The Applicant will show in the following remarks that all claims are patentable over the cited art. A Notice of Allowance is thus respectfully requested in due course.

All Objections To The Specification Have Been Addressed

The Office Action states that the "status of related applications needs to be updated" and that the "Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code." In response, the Applicants have updated the first paragraph of the specification as indicated, and the Applicants have deleted the indicated text on page 6. Accordingly, all objections to the specification have been overcome.

Claim 1 Is Patentable Over Zhao

Claim 1 has been rejected under 35 U.S.C. Sec. 102(e) as being unpatentable over U.S. Patent No. 6,081,840 to Zhao ("Zhao"). In response, the Applicants will show that Claim 1 is patentable over Zhao for at least the reasons discussed below.

In particular, Claim 1 recites a method of dynamically redeploying services in a computing network, the method including:

- receiving a redeployment trigger for a selected service;
- determining one or more network locations where the selected service has been deployed from its original location at an origin server;
- programmatically removing the selected service from the network locations and the origin server; and
- programmatically replacing the selected service at the network locations and the origin server. (Underline added.)

In support of the rejection, the Office Action cites column 3, lines 1-2, 1-15, and 15-18 of the Zhao patent. The Applicants respectfully submit, however, that Zhao fails to teach or suggest the recitations of Claim 1. In particular, cited portions of Zhao state that:

Data stored at the local servers are collections of data files that the local servers subscribed from the source server. Initial subscriptions can be based on various factors, such as location, type of local server, user profiles, standard subscriptions, etc. After the initial subscription, usage at the local server determines the data collections which are to be stored at the local server site. The minimum subscription unit is a collection, and it is assumed that similar files are in a collection. The local server maintains a means for determining the number of times each data file collection has been used, or accessed. When the number exceeds a predetermined value over a predetermined amount of time, and the data file collection is not already stored at the local server, the local server initiates a subscription request to the source server for the collection. The local and source servers then communicate to update the subscriptions by transferring new data and updating the tables and listings of what is available and stored at each location.

Zhao, col. 3, lines 1-19. As discussed in the Detailed Description,

the source content server 10 contains all of the data which is ultimately desired by one or more of the users 22-28. ... [I]f the local server finds that some files are frequently being requested that it does not contain ..., a subscription request is generated by the local server to get the frequently requested file data for storage in the local server.

Zhao, col. 4, lines 42-56.

In the passages cited above, Zhao discusses a local server generating a subscription request to get frequently requested file data from a source content server which contains all of the data which is ultimately desired by one or more of the users. Zhao, however, fails to teach or suggest removing file data from the source content server or replacing file data at the source content server. In Zhao, a data file collection is transferred from the source server to a local server responsive to a subscription request, and tables and listings of what is available and stored at each location are updated. Zhao thus fails to teach or suggest "removing the selected service from the network locations and the origin server", or "replacing the selected service at the network locations and the origin server", as recited in Claim 1. (Bold and underline added.)

Accordingly, the Applicants respectfully submit that Zhao fails to teach or suggest the recitations of Claim 1 and that Claim 1 is thus patentable. The Applicants further submit that Claims 18 and 19 are patentable for reasons similar to those discussed above with regard to Claim

1. In addition, Dependent Claims 2-17 and 20-23 are patentable at least as per the patentability of Claims 1, 18, and 19 from which they depend.

Various Dependent Claims Are Independently Patentable

As discussed above, dependent Claims 2-17 and 20-23 are patentable at least as per the patentability of Claims 1, 18, and 19 from which they depend. Various of these dependent claims are also independently patentable.

Dependent Claim 2, for example, depends from Claim 1 and thus includes all recitations of Claim 1 as discussed above. In addition, Claim 2 recites that the redeployment trigger comprises a redeployment request from the origin server. In contrast to the recitations of Claim 2, Zhao states that "the local server initiates a subscription request to the source server for the collection." (Zhao, col. 3, lines 14-15.) Accordingly, Zhao fails to teach or suggest a redeployment request from an origin server, and Claim 2 is thus independently patentable. In addition, new Claims 20 and 21 are independently patentable for reasons similar to those discussed above with respect to Claim 2.

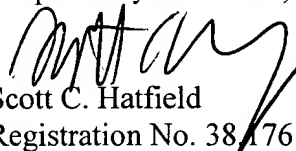
Dependent Claim 3, for example, depends from Claim 1 and thus includes all recitations of Claim 1 as discussed above. In addition, Claim 3 recites sending the redeployment trigger when the selected service is to be revised. Zhao discusses data collections which are to be stored at a local server site (Zhao, col. 3, lines 5-7), and updating table and listings of what is available and stored at each location (Zhao, col. 3, lines 17-18). Accordingly, Zhao fails to teach or suggest revising a selected service, and Claim 3 is thus independently patentable. In addition, new Claims 22 and 23 are independently patentable for reasons similar to those discussed above with respect to Claim 3.

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CONCLUSION

Accordingly, the Applicants submit that all pending claims in the present application are in condition for allowance, and allowance of all claims is respectfully requested in due course.

Respectfully submitted,



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